

Date: Tue, 14 Jun 94 00:01:25 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #660  
To: Info-Hams

Info-Hams Digest                      Tue, 14 Jun 94                      Volume 94 : Issue    660

Today's Topics:

                    "73's" (2 msgs)  
          ATV transmits on every UHF channel - why ?  
          Com'l License Exams & Adv. Cl. Lic.  
          FAX # for Amateur Division, Kenwood Japan  
          Help on hard/software to download weather images  
          How long do NJ ham plates take????  
          IPS Daily Report - 13 June 94  
          Microwave bands (was Re: End of '440 i (2 msgs)  
                    Nickel Hydride Cells  
                    Test  
          TH-78A Peculiarities <--Help Wanted  
          VHF Maritime Outrage!!  
          WANTED: good 2meter mobile  
          Washington State Field Day??????

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 13 Jun 1994 22:22:02 GMT  
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!news.Cerritos.edu!news.Arizona.EDU!nemo!  
hlester@network.ucsd.edu  
Subject: "73's"  
To: info-hams@ucsd.edu

In article <CrCqsE.7Fp@wang.com> dbushong@wang.com (Dave Bushong) writes:

>I don't believe it, but there have been many more than one 73 on the

Maybe 73 plus an "apostrophe s" (73's) means "Best Regards, y'all"

Howard

-----  
Date: 14 Jun 1994 03:52:06 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!uhog.mit.edu!  
news.kei.com!ssd.intel.com!chnews!cmoore@network.ucsd.edu  
Subject: "73's"  
To: info-hams@ucsd.edu

Howard Lester (hlester@nemo.as.arizona.edu) wrote:  
: Maybe 73 plus an "apostrophe s" (73's) means "Best Regards, y'all" Howard

That is an absolutely stupendous idea, Howard... history in the making...  
Henceforth and forevermore, 73's will mean Best Regards, ya'll. (Ah'll  
furgiv ya'll fer missppelling ya'll 'cuz thum dam yankie techer's pubbraly  
dun't no hou tu spel wurth cagada.)

73's's's (Ah got ah rully baddd drawlll) KG7BK, CecilMoore@delphi.com

-----  
Date: 14 Jun 1994 00:36:47 -0400  
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!nntp.cs.ubc.ca!torn!uunet.ca!  
uunet.ca!ionews.io.org!nobody@network.ucsd.edu  
Subject: ATV transmitts on every UHF channel - why ?  
To: info-hams@ucsd.edu

I recently breadboarded a simple (no crystal) ATV transmitter, and being  
a novice experimenter, was amazed to see it actually transmitting my VCR  
/ Camcorder signals to my portable tv !

The transmitter works with either an air coil of about .5" or .125"  
diameter (both 3 or 4 turns #22). It's a Colpitts oscillator.

I \*thought\* that the large coil would be have a resonant frequency of  
about 100 Mhz, and the smaller one would be about 470 Mhz.

I am wondering why my portable tv is receiving the transmitter on every  
UHF channel.

Would the transmitter be generating strong enough harmonics that the signal  
is being sent on every UHF channel ?

Mike

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=====
Mike Stramba      Email: mike@io.org
Toronto, Canada   Internex Online - Toronto, Canada (416) 363-3783
=====
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Date: Tue, 14 Jun 1994 01:49:49 GMT  
From: ihnp4.ucsd.edu!swrinde!news.uh.edu!nuchat!acs@network.ucsd.edu  
Subject: Com'l License Exams & Adv. Cl. Lic.  
To: info-hams@ucsd.edu

Does anyone know of a site where I can download the FCC question pool for the commercial license exams? I understand that about 80 percent of the quiz comes from the pool of the Advanced class study material. The pool changes next month and I would like to take the test over the old questions.

I know that W5YI sells the info for \$10 but, surely this public info is available from the Internet.

Thanks and 73 de A.C.

--

A. C. Spraggins	acs@nuchat.sccsi.com
South Coast Computing Services, Inc.	w5ezm@sugarland.ampr.org
P. O. Box 270355	(713) 917-5000
Houston, TX 77277-0355	(713) 917-5005 fax

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Date: Mon, 13 Jun 94 21:35:26 MST  
From: ihnp4.ucsd.edu!swrinde!gatech!asuvax!ennews!stat!david@network.ucsd.edu  
Subject: FAX # for Amateur Division, Kenwood Japan  
To: info-hams@ucsd.edu

I am trying to find some information on my Kenwood TS-50S, basically how to immitate the Function keys on the microphone. Kenwood USA has told me they don't have this information.

I would like to try and FAX Kenwood Japan ... does anyone have a FAX number for their amateur division?

Thank you,

David WB7TPY

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Editor, HICNet Medical Newsletter

Internet: david@stat.com

FAX: +1 (602) 451-1165

Bitnet : ATW1H@ASUACAD

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Date: Tue, 14 Jun 1994 01:26:23 GMT

From: yale.edu!newsserver.jvnc.net!stevens-tech.edu!vaxc.stevens-tech.edu!

rdemello@yale.arp

Subject: Help on hard/software to download weather images

To: info-hams@ucsd.edu

Hi

I am looking for some info on what software and hardware do I need to be able do download weather maps that show ocean water temps off the eastern coast of NJ. I have heard of SW that goes to a com port but have also heard recently that you can also input through a SB16 card, and this actually gives a better image.

please I'm new to this and would appreciate any and all help.

I currently have have a 486 DX2 -66 with a 500meg drive, 14.4 fax modem, ink jet printer,SB16, double speed CDRom, SVGA monitor if that helps.

Thanks

Ron

RDEMELLO@SITVAX,STEVENS-TECH.EDU

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~~~~~
                GGGGGGG          t
Ron DeMello          G          i  aaa          tttt  ssss
Operations Supv          G          a  n          t    s
Stevens Inst. Of Technology  G  GGGG  I  aaa  nnnn  t    sss
                G    G    I a  a  n  n  t  t    s
rdemello@sitvax.stevens-tech.edu GGGGGG  I  aaaaa  n  n  tttt  ssss
```

VMS v5.5-2

Sec 329 Row 29 Seats 9-12

Ultrix v4.2-1

MSDOS v6.0 Windows v3.1

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Date: Mon, 13 Jun 1994 19:37:27 GMT  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!convex!news.duke.edu!zombie.ncsc.mil!  
admii!ovation!ramcad.pica.army.mil!mellis@network.ucsd.edu  
Subject: How long do NJ ham plates take????  
To: info-hams@ucsd.edu

Can a New Jersey amateur tell me how long it took them  
to get their call-sign plates from NJ Dept of Motor Vehicles?  
I've heard 12 weeks (as bad as the FCC :-]) and it's been  
about that, since mid-March.

Just wondering if/when I should call them up and let them give  
me a hard time.

Thanks,

...Mark n2wzb

-----  
Mark E. Ellis <mellis@ramcad.pica.army.mil>  
Systems Administrator, PA&TD Software Quality Engineering Branch  
SMCAR-QAH-A, Bldg 62N, (201) 724-5817 N2WZB Picatinny Arsenal, NJ  
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Date: Mon, 13 Jun 1994 23:17:53 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!EU.net!sunic!trane.uninett.no!  
ifi.uio.no!wabbit.cc.uow.edu.au!metro!ipso!rwc@network.ucsd.edu  
Subject: IPS Daily Report - 13 June 94  
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT  
ISSUED AT 13/2330Z JUNE 1994 BY IPS RADIO AND SPACE SERVICES  
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.  
SUMMARY FOR 13 JUNE AND FORECAST UP TO 16 JUNE

No warning is current.  
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1A. SOLAR SUMMARY  
Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 085/027

1B. SOLAR FORECAST

14 June

15 June

16 June

|          |               |               |               |
|----------|---------------|---------------|---------------|
| Activity | Very low      | Very low      | Very low      |
| Fadeouts | None expected | None expected | None expected |

Forecast 10.7 cm flux/Equivalent Sunspot Number : 085/027

#### 1C. SOLAR COMMENT

None.

#### 2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet to unsettled

|                     |    |           |                          |
|---------------------|----|-----------|--------------------------|
| Estimated Indices : | A  | K         | Observed A Index 12 June |
| Learmonth           | -- | 3333 23-- |                          |
| Fredericksburg      | 12 |           | 26                       |
| Planetary           | 12 |           | 21                       |

Observed Kp for 12 June: 3445 3443

#### 2B. MAGNETIC FORECAST

| DATE   | Ap | CONDITIONS           |
|--------|----|----------------------|
| 14 Jun | 12 | Quiet to unsettled.  |
| 15 Jun | 12 | Unsettled.           |
| 16 Jun | 16 | Unsettled to active. |

#### 2C. MAGNETIC COMMENT

Active periods may be observed during June 16-17 due to disappearing solar filament.

#### 3A. GLOBAL HF PROPAGATION SUMMARY

|        | LATITUDE BAND |             |      |
|--------|---------------|-------------|------|
| DATE   | LOW           | MIDDLE      | HIGH |
| 13 Jun | normal        | normal-fair | fair |

PCA Event : None.

#### 3B. GLOBAL HF PROPAGATION FORECAST

|        | LATITUDE BAND |        |      |
|--------|---------------|--------|------|
| DATE   | LOW           | MIDDLE | HIGH |
| 14 Jun | normal        | normal | fair |
| 15 Jun | normal        | normal | fair |
| 16 Jun | normal        | fair   | poor |

#### 3C. GLOBAL HF PROPAGATION COMMENT

Degraded HF comms conditions may be experienced at mid, high lats on 16th.

#### 4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were near predicted monthly values

Observed T index for 13 June: 42

Predicted Monthly T Index for June is 30.

#### 4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

| DATE   | T-index | MUFs                           |
|--------|---------|--------------------------------|
| 14 Jun | 40      | Near predicted monthly values. |
| 15 Jun | 40      | Near predicted monthly values. |
| 16 Jun | 40      | Near predicted monthly values. |

#### 4C. AUSTRALIAN REGION COMMENT

Spread F observed during local night. Strong sporadic E observed at times. Degraded HF comms possible on 16th.

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|                                         |                              |
|-----------------------------------------|------------------------------|
| IPS Regional Warning Centre, Sydney     | IPS Radio and Space Services |
| email: rwc@ips.oz.au fax: +61 2 4148331 | PO Box 5606                  |
| RWC Duty Forecaster tel: +61 2 4148329  | West Chatswood NSW 2057      |
| Recorded Message tel: +61 2 4148330     | AUSTRALIA                    |

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Date: 13 Jun 1994 22:01:44 GMT  
From: korie!newsworthy.West.Sun.COM!abyss.West.Sun.COM!spot!myers@ames.arpa  
Subject: Microwave bands (was Re: End of `440 i  
To: info-hams@ucsd.edu

In article e4q@nyx10.cs.du.edu, jmaynard@nyx10.cs.du.edu (Jay Maynard) writes:

>In article <2ti78m\$q4l@abyss.west.sun.com>,

>Dana Myers <myers@bigboy.West.Sun.COM> wrote:

>>Not exactly. The microwave bands may be useful for point-point  
>>linking, etc., but aren't commonly used, even by the business or  
>>government agencies, for mobile communications as we know it.

>

>Why not? I know some work in that area has been done by the North Texas  
>Microwave Society...

I guess that makes 5.8GHz mobile a viable replacement for 70cm.

>>Procuring parts and building working gear for microwave bands is  
>>considerably more difficult than building 80m transmitters out  
>>of junk televisions.

>

>Building 80m transmitters was, once upon a time, difficult and expensive, too.  
>Hams changed that.

Agreed. I guess this makes 5.8GHz mobile a viable replacement for 70cm.

>> I agree amateurs should indeed get involved  
>>on these bands, but these bands are not necessarily valid replacement  
>>spectrum for the functions filled by 2m, 70cm, 33cm and 23cm.  
>  
>Why not? Those who claim that the purpose of ham radio is solely or primarily  
>technological advancement have a golden opportunity to prove that hams can  
>still contribute.

Well, either Jay just wants to carry in "splut-like" fashion :-), or he  
didn't read what I wrote.

I said "The microwave bands are not necessarily valid replacement spectrum  
for functions filled by 2m, 70cm, 33cm and 23cm". Jay counters with a little  
bit of Mom and Apple Pie. Let's be serious; the microwave bands are not yet  
valid replacement spectrum for the popular 2m and 70cm bands. Offering them  
as such ignores reality. Let's have a constructive discussion rather than  
Mom and Apple Pie, OK?

---

\* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are  
\*  
\* (310) 348-6043 | mine and do not necessarily \*  
\* Dana.Myers@West.Sun.Com | reflect those of my employer  
\*  
\* This Extra supports the abolition of the 13 and 20 WPM tests \*

-----  
Date: 14 Jun 94 04:14:14 GMT  
From: dog.ee.lbl.gov!agate!spool.mu.edu!mnemosyne.cs.du.edu!nyx10.cs.du.edu!not-  
for-mail@ucbvax.berkeley.edu  
Subject: Microwave bands (was Re: End of '440 i  
To: info-hams@ucsd.edu

In article <2til08\$ss4@abyss.west.sun.com>,  
Dana Myers <myers@spot.West.Sun.COM> wrote:  
>Well, either Jay just wants to carry in "splut-like" fashion :-), or he  
>didn't read what I wrote.

I did too. Nyah. :-)

>I said "The microwave bands are not necessarily valid replacement spectrum  
>for functions filled by 2m, 70cm, 33cm and 23cm". Jay counters with a little



>bit of Mom and Apple Pie. Let's be serious; the microwave bands are not yet  
>valid replacement spectrum for the popular 2m and 70cm bands. Offering them  
>as such ignores reality. Let's have a constructive discussion rather than  
>Mom and Apple Pie, OK?

My point was that 80m was, at one time, not valid replacement spectrum for  
stuff below 200 meters, too. We've been handed lemons in the past and made  
lemonade out of them. What would you have said back when hams were given 200  
meters and down because nobody else wanted it?

The microwave bands - or even 2400 MHz - are not "valid replacement spectrum"  
only because hams would rather bitch than switch, as Jim Reese puts it. To  
complain that you can't put up yet another yak box on 440, and so it's time to  
change the rules in midstream and destroy someone's thousands of dollars worth  
of repeater investment, is to capitulate rather than pioneer. Call it Mom and  
Apple Pie if you want to...but who's arguing about ham radio as a technical  
service now?

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can  
jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.  
To Sarah Brady, Howard Metzenbaum, Dianne Feinstein, and Charles Schumer:  
Thanks. Without you, I would be neither a gun owner nor an NRA life member.

-----  
Date: Mon, 13 Jun 1994 17:31:05  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!uhog.mit.edu!  
news.kei.com!ssd.intel.com!chnews!ornews.intel.com!ccm.hf.intel.com!  
brett\_miller@network.ucsd.edu  
Subject: Nickel Hydride Cells  
To: info-hams@ucsd.edu

In article <1994Jun13.083636.5538@ee.surrey.ac.uk> M.Willis@ee.surrey.ac.uk (Mike  
Willis) writes:

>I have just bought 6 Nickel Hydride AA cells for use with my Icom handheld. I  
>wonder if anyone has any experience with such cells they are able to share? The  
>cells are marked as 1.2V 1200mA hours. They weigh about the same as Nicads but

I had some 1000mAH Gold Peak cells I used in My Icom 2SRA for  
a few months about a two years ago. They discharged very quickly and soon  
seemed like they wouldn't hold a charge. I used the Icom 60-70mA charger and  
charged them for about 16 hours. I was very careful when I charged them, but  
it didn't seem to make a difference. I was told by someone that early NMH  
cells had a lot of problems (especially Gold Peak). I hope you have better  
results with yours. Most cellular phones now use NMH, so maybe things have  
improved.

Brett Miller N70LQ  
Intel Corp.  
American Fork, UT

brett\_miller@ccm.hf.intel.com

-----  
Date: 14 Jun 94 06:35:49 GMT  
From: dog.ee.lbl.gov!ihnp4.ucsd.edu!usc!nic-nac.CSU.net!  
vfoao0ix@ucbvax.berkeley.edu  
Subject: Test  
To: info-hams@ucsd.edu

saul yochelson (vfoao0ix@huey.csun.edu) wrote:  
Test followup

-----  
Date: 13 Jun 1994 22:23:08 GMT  
From: ihnp4.ucsd.edu!swrinde!emory!sol.ctr.columbia.edu!news.cs.columbia.edu!  
news.columbia.edu!namaste.cc.columbia.edu!mrw13@network.ucsd.edu  
Subject: TH-78A Peculiarities <--Help Wanted  
To: info-hams@ucsd.edu

I had the "beyonds MARS" (remove D3 and cut W1) done to my TH-78A and everything works pretty well except for a few peculiarities... When I set both sides (VFOs) to VHF the right one acts strangely. The rx is far more sensitive than the left side because the squelch will open often times on the right side and the meter will go up while I'm not receiving anything on the left side. But... even though the right side has better rx I cannot hear any of it because it comes out as barely understandable static. (When I am close enough I can get perfect rx on the left side.)

There is no difference around the 440MHz band. I haven't been able to check whether these "peculiarities" also occur around the 2m ham bands since I'm not close to any repeaters right now -- but it definitely holds true for the aircraft and commercial bands.

One other small thing. About half the time, the tx doesn't always open up immediately on the commercial band. The red light will flash on and the meter will jump up but then drop down after a split second. After fiddling (switching channels or turning the radio on-off) then it will tx properly. Never any problems tx on the ham bands.

Anybody else noticed the same peculiarities or have any advice for me?

Thanks very much,

Marc Wollemborg  
<mrw13@columbia.edu>  
<mrw@em.uni-frankfurt.d400.de>

-----  
Date: Tue, 14 Jun 1994 00:37:40 GMT  
From: rit!isc-newsserver!ultb!jdc3538@cs.rochester.edu  
Subject: VHF Maritime Outrage!!  
To: info-hams@ucsd.edu

In article <1994Jun10.174900.11159@bnr.ca> af580@freenet.carleton.ca writes:  
>Sounds like the US is bringing their fees into alignment with the Canadian  
>fees.  
>  
>FYI: fees for Canadian amateurs: (sorry, don't have the maritime fees handy)  
> qualification exams (per exam): \$ 5.00  
> annual station license  
> (per callsign): \$24.00 (I think that's what it is)  
>  
>therefore for a 10 year license we pay \$240 + the cost of any exam/upgrades  
>during that period.

None of this has much to do with ham radio; it's more a matter of money and control. The Peoples Republic of Kanada wants to increase taxes on its already overburdened citizens just as much as Slick Willie Klinton and Company. Taxes and fees on boating are there to keep the cost of leisure time high. You can't have people enjoying themselves, now can you?

Ham radio is another good thing to tax. Again it's a leisure time activity. And worse, it gives people a means to communicate outside the approved media.

>On the other hand, once you have a qualification you have it for life,  
>and we do have vanity callsigns (now if only the ones we wanted were  
>not already taken).

On the other hand most citizens are like sheep. Baaaaa...

> Dean Denter -- VE7NCD  
>af580@freenet.carleton.ca (don't reply to stu9k21@bnr.ca it won't work)  
>-----  
> BNR doesn't speak for me, and I don't speak for them.

73...Jim N2VNO

-----  
Date: 14 Jun 1994 00:39:45 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!usenet.ins.cwru.edu!  
news.ysu.edu!yfn.ysu.edu!ap451@network.ucsd.edu  
Subject: WANTED: good 2meter mobile  
To: info-hams@ucsd.edu

I'm looking for a 2 meter mobile unit in good shape for a reasonable price. Doesn't have to be the newest thing; please write with what you have. I just need something I can access a few local repeaters with.

Thanks and 73,

Randy

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Randy Padawer, P.O. Box 1167, Knoxville, TN 37901-1167 U.S.of A  
Internet: ap451@yfn.ysu.edu America Online: GwRepRandy  
Telephone: (615) 637-7263 Ham Radio op: WA4FJF & a groovy guy.

-----  
Date: Tue, 14 Jun 1994 05:51:26 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!news.ucdavis.edu!modem63.ucdavis.edu!  
ddtodd@network.ucsd.edu  
Subject: Washington State Field Day??????  
To: info-hams@ucsd.edu

Hello,  
I posted a few days ago asking if there was anyone active who would be running Field Day in the Raymond, Aberdeen or Westport area of Washington State. I still haven't heard back and the local emergency coordinator would really like to see what WE do. She's going on vacation or I'd invite her to our FD. So, anyone in the south-west corner of the state please speak up.

Thanks,  
Dan

-----  
Date: 13 Jun 1994 20:06:33 -0700  
From: ihnp4.ucsd.edu!news.cerf.net!ccnet.com!ccnet.com!not-for-mail@network.ucsd.edu  
To: info-hams@ucsd.edu

References <2td3t2\$6gd@ccnet.ccnet.com>, <Cr9Kyq.EwG@news.Hawaii.Edu>,  
<2ti78m\$q4l@abyss.West.Sun.COM>

Subject : Re: Microwave bands (was Re: End of '440 in SoCal' thread )

: Not exactly. The microwave bands may be useful for point-point  
: linking, etc., but aren't commonly used, even by the business or  
: government agencies, for mobile communications as we know it.

How about the entire GPS system? How about the INMARSAT system? How  
about all the satellite links on shipboard? How about all that military  
stuff they don't want you to know about?

Some enterprising amateurs have indeed operated mobile above 1300MHz. I  
personally operated mobile-in-motion full-color ATV on 5.8 GHz. Remember,  
it wasn't too long ago that the common belief was that mobile operation  
above 500 MHz wasn't feasible. If that barrier hadn't been broken, there  
would be no cellular service! As an alternative (and less innovative),  
one could always take the point-to-point stuff out of the current  
mobile-friendly bands. This would make more room for the current mobile  
technology and put point-to-point stuff on frequencies which are more  
suited to it.

: I agree amateurs should indeed get involved  
: on these bands, but these bands are not necessarily valid replacement  
: spectrum for the functions filled by 2m, 70cm, 33cm and 23cm.

You mean the \_mobile\_ functions, I hope. There are many functions that  
are perfectly suited for microwave. Two that come to mind are all packet  
backbones and links between repeaters. Large chunks of 2m and 70cm are  
tied up with this non-mobile activity. Just think if all BBS forwarding  
was done on other bands. The end users would have more access to their  
BBS because forwarding could be done "in the background". If all links  
were out of 420-440, and we could use it for non-auxiliary stuff, another  
80 FM channels would be available for the traditional mobile user.

--

Jim Sohn phun       sohn@ccnet.com  
                  nophun       pms/s=sohn/g=jv@mhs.attmail.com  
KF6NY            wireless   KF6NY@wd6cmu.#nocal.ca.usa.noam

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End of Info-Hams Digest V94 #660

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